PYTHON FOR COMPUTATIONAL PROBLEM SOLVING

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Introduction to the Python Programming environment

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Modes of Programming

- Interactive mode
  - python
  - >>> <enter command here>

- Batch mode
  - Create a file with python commands
  - Run them together
  - >python filename.py

Program Structure

- Sequential execution
- Comments
- Execution starts from the 1st column
- Case Sensitive
- Syntax
- Number of Statements per line

Program Structure

- **Comments:**
  - Single line comments begin with a # symbol
  - Multiline comments use a documentation string construct: a pair of triple quotes “““ ”””” or ‘‘‘ ’’’
- **Case sensitive**
  - **Print()** and **print()** are different

Program Structure

- **Number of Statements per line**
  - Ideally there must be only One statement per line
  - One statement can pan across multiple lines
    1. Use Escape character '\' to ignore the EOL
    2. Use ( ) constructs
  - Multiple statements in one line separated by a ' ; '

THANK YOU

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